

SOV/166-59-6-9/11
Investigation of the Electrostatic Emission of Electrons (EEE) From a
Wolframite Emitter Under Impulse Conditions

wolframite emitter show essential deviations from those given
in [Ref 3 - 6]. There are 6 figures, and 6 references, 2 of
which are Soviet, and 4 American.

ASSOCIATION: Sredneaziatskiy gosuniversitet imeni V.I. Lenina (Central Asian State University imeni V.I. Lenin) ✓

SUBMITTED: August 20, 1959

Card 2/2

GOFMAN, I.I.; PROTOPOPOV, O.D.; SHUPPE, G.N.

Investigating the electrostatic emission of electrons from a tungsten emitter under pulsed operation. Fiz.tver.tela 2 no.6:1323-1327 Je 60. (MIRA 13:8)

1. Sredneaziatskiy gosudarstvennyy universitet, Tashkent.
(Electron emission) (Tungsten)

39960

26 0042
34 0331

S/181/62/c04/cce/c03/04:
B125/B104

AUTHOR: Gofman, I. I.

TITLE: Investigation of the electrostatic emission of electrons from tungsten over a wide range of current densities

PERIODICAL: Fizika tverdogo tela, v. 4, no. 8, 1962, 2005-2014

TEXT: The emission currents (10^{-19} to 10^{-1} a) were measured by a pulse technique under static conditions and with scintillation counters in vacuo ($\leq 1 \cdot 10^{-9}$ mm Hg). The slope of the volt-ampere characteristic $\log I = f(1/V)$ for the emission from the point is determined by the emission from the region around the directions [001] and [010]. The slopes of the experimental characteristics $\log I = f(1/V)$ for the current emerging from the entire point correspond to a work function of 4.4 ev at most. The plateau of the volt-ampere characteristic, which appears at low field strengths (10^7 v/cm), cannot be explained by existing theories. Existing methods of calculating the local electric field strengths without allowing for the microrelief of the point give different values for the work function as determined from measurement of emission into different

Card 1/2

Investigation of the electrostatic...

S/181/62/004/008/003/041
B:25/B104

crystallographic directions. The increase in inclination of the characteristics at high current densities may be due to the compensation of the densities of the emission currents emerging from the individual sites of the point. The ratio between the currents at weakly and strongly emissive sites depends on the local intensity of the electric field. Existing methods of calculating electric field strengths on the surface of an emitter only permit an approximate comparison between experimental results and theoretical equations. Quantitative comparisons and the choice of the proper emission equation will not be possible until the physical meaning of the abnormal sections of the characteristic for electrostatic emission of electrons is known. There are 8 figures.

ASSOCIATION: Tashkentskiy gosudarstvennyy universitet im. V. I. Lenina
(Tashkent State University imeni V. I. Lenin)

SUBMITTED: January 15, 1962

Card 2/2

26.2712

45433
S/058/63/000/001/100/120
A160/A101

AUTHOR: Gofman, I. I.

TITLE: The electrostatic emission of electrons from tungsten in the region of weak fields

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 56, abstract 12h325
("Dokl. AN UzSSR", no. 6, 1962, 26 - 28, summary in Uzbek)

TEXT: Investigated was the autoelectronic emission from W in the region of weak electric fields corresponding to the emission currents up to 10^{-18} a. A scintillation method was developed for measuring weak emission currents permitting a current sensitivity of $10^{-18} - 10^{-19}$ a at a "signal-noise" ratio equalling ~10. In the region of low currents, a departure of the relation $\lg I = f(1/U)$ (I is the emission current, U is the anode voltage) was noted from the linear law towards the weakening of the dependence of I on U. Upon increasing the emitter temperature, a tendency to a rectification of the $\lg I = f(1/U)$ characteristic was noted. According to author's opinion, this fact indicates that the mentioned section of the characteristic does not appear to be a "thermal tail" of the auto-

Card 1/2

The electrostatic emission of electrons from...

S/053/63/000/001/100/120
A160/A101

electronic emission. Presented are also the results of an investigation of the emission current from individual crystallographic faces of the W-edge. The corresponding values of the work function φ were evaluated. By using the hyperbolic approximation of the edge shape and assuming that the geometric factor of the field k is equal for all faces, the author obtained the following work function values: $\varphi = 4.5$ electron-volts, $\varphi_{110} = 5.6$ electron-volts, $\varphi_{100} = 4.6$ electron-volts, $\varphi_{116} = 4.3$ electron-volts, $\varphi_{021} = 5.0$ electron-volts, and $\varphi_{111} = 3.9$ electron volts.

A. Zhian

[Abstracter's note: Complete translation]

Card 2/2

GOFMAN, I. I.

Dissertation defended for the degree of Candidate of Physicomathematical Sciences at the Technical Physics Institute imeni A. F. Iofe in 1962:

"Investigation of Electrostatic Emission of Electrons from Tungsten in a Broad Current Density Range."

Vest. Akad. Nauk. SSSR. No. 4, Moscow, 1963, pages 119-145

GORBATYY, N.A.; GOFMAN, I.I.

Measurement of the work function of electrons using an electrostatic emission technique. Radiotekh. i elektron. 8 no.11:1927-1932 N '63.
(MIRA 17:1)

GOFMAN, I.I.; KHLOPETSKIY, K.S.

Set of turning and grinding machines. Stan.1 instr. 35 no.9:38 S '64.
(MIRA 17:10)

KRYLOVA, M.D.; GOFFMAN, I.L.; BERLIN, M.N.; TSYN'TLIN, N.A.

Production of typhoid type phages Vi-II on serum media. Zur.
mikrobiol., epidem. i immun. 27 no.3:39-41 Mr' 56. (MLM. 9:7)

1. Iz kafedry epidemiologii I Moskovskogo ordena Lenina meditsinskogo instituta.

(*SALMONELLA TYPHOEA*,

bacteriophage Vi-II (Rus))

(*BACTERIOPHAGE*,

of *Salmonella typhosa*, Vi-II (Rus))

ZEL'MANOVICH, R.Ya.; GOFMAN, I.L.; KOGANOVSKAYA, S.N.

Comparative effect of antibiotics in vitro on culture of bacteria
from the genus *Salmonella*. *Antibiotiki* 4 no.5:88-90 S-0 '59.

(MIRA 13:2)

1. Sanitarno-epidemiologicheskaya stantsiya (glavnnyy vrach M.G.
Gilel's) Sverdlovskogo rayona Moskvy.

(*SAFMONELLA* pharmacol.)

(*ANTIBIOTICS* pharmacol.)

ZEL'MANOVICH, R.Ya.; GOFMAN, I.L.

Comparative effects of antibiotics on cultures of pathogenic *Escherichia coli* in vitro. *Antibiotiki* 6 no.3:281-282 Mr '61. (MIRA 14:5)

1. Sanitarno-epidemiologicheskaya stantsiya (glavnnyy vrach M.G. Gilel's) Sverdlovskogo rayona Moskva.
(*ESCHERICHIA COLI*) (ANTIBIOTICS)

PHASE I BOOK EXPLOITATION 758

Gofman, Il'ya Lazarevich, and Rabinovich, Pinya Moiseyevich

Ispol'zovaniye statisticheskikh metodov dlya povysheniya kachestva produktsii (The Use of Statistical Methods for the Improvement of Product Quality) Moscow, Gosstatizdat, 1957. 143 p. 3,000 copies printed.

Ed.: Shentsis, Ye. M.; Tech. Ed.: Mulikova, I.F.

PURPOSE: This book is intended for engineering and technical personnel, economists, and statisticians.

COVERAGE: The book briefly describes the most useful techniques of quality control and statistical methods as applied to industrial problems of product quality. It contains numerous examples and problems drawn from the practices of various industries, and it relates them to various theoretical concepts. The authors declare

Card 1/4

The Use of Statistical Methods (Cont.) 758

that the use of these techniques and methods will contribute to proper organization and sound management which are essential to a successful quality program. The introduction, Ch. I and paragraphs 2,9,10,12-14 of Ch. II were written by I.L. Gofman; paragraphs 1, 3-8, 11 and 16 of Ch. II were written by P.M. Rabinovich. The remainder was written jointly by the two authors. There are no references.

TABLE OF CONTENTS:

Introduction	3
Ch. I. Analysis of Statistical Data Indicating Product Quality	
1. Requirements for product quality	6
2. Statistical data indicating product variability	8
3. Statistical data indicating operational product quality	12

Card 2/4

The Use of Statistical Methods (Cont.) 758

4. Statistical data on defects and subsequent reclamation	16
5. Statistical reports on product quality	29
Ch. II. Statistical Methods of Analyzing Product Quality	
1. Averages and measures of variance	37
2. Analysis of the uniformity of product quality	40
3. The relationship between group and individual dispersions	44
4. Analysis of the performance quality of multitool machines	47
5. Lot and sample aggregates	48
6. Understanding the estimate of probability	49
7. Laws of random processes	53
8. Sampling and its application to determine product quality	56
9. The practical application of sampling in industry	70
10. Studying the quality of a product during its use	72

Card 3/4

. The Use of Statistical Methods (Cont.) 758

11.	The use of correlation analysis in determining product quality	83
12.	Examples of usage of correlation analysis	93
13.	Determination of the effect of a change in the technological process on product quality	95
14.	Analysis of variance	99
15.	The normal distribution curve and methods of plotting it	102
16.	Statistical data indicating the relative stability of a process	108
Ch. III. Preventive Statistical Control of Product Quality		
1.	Compilation of statistical control charts of product quality	118
2.	Charts showing product variability at individual work-places	138
Appendix 1. Table of Ordinates of Cumulative Percentages		141
Appendix 2. Probability (P) of Standard Deviations (t) According to Lyapunov's Integral		143

AVAILABLE: Library of Congress

JG/ksv
11-6-58

Card 4/4

GOFMAN, I.L.

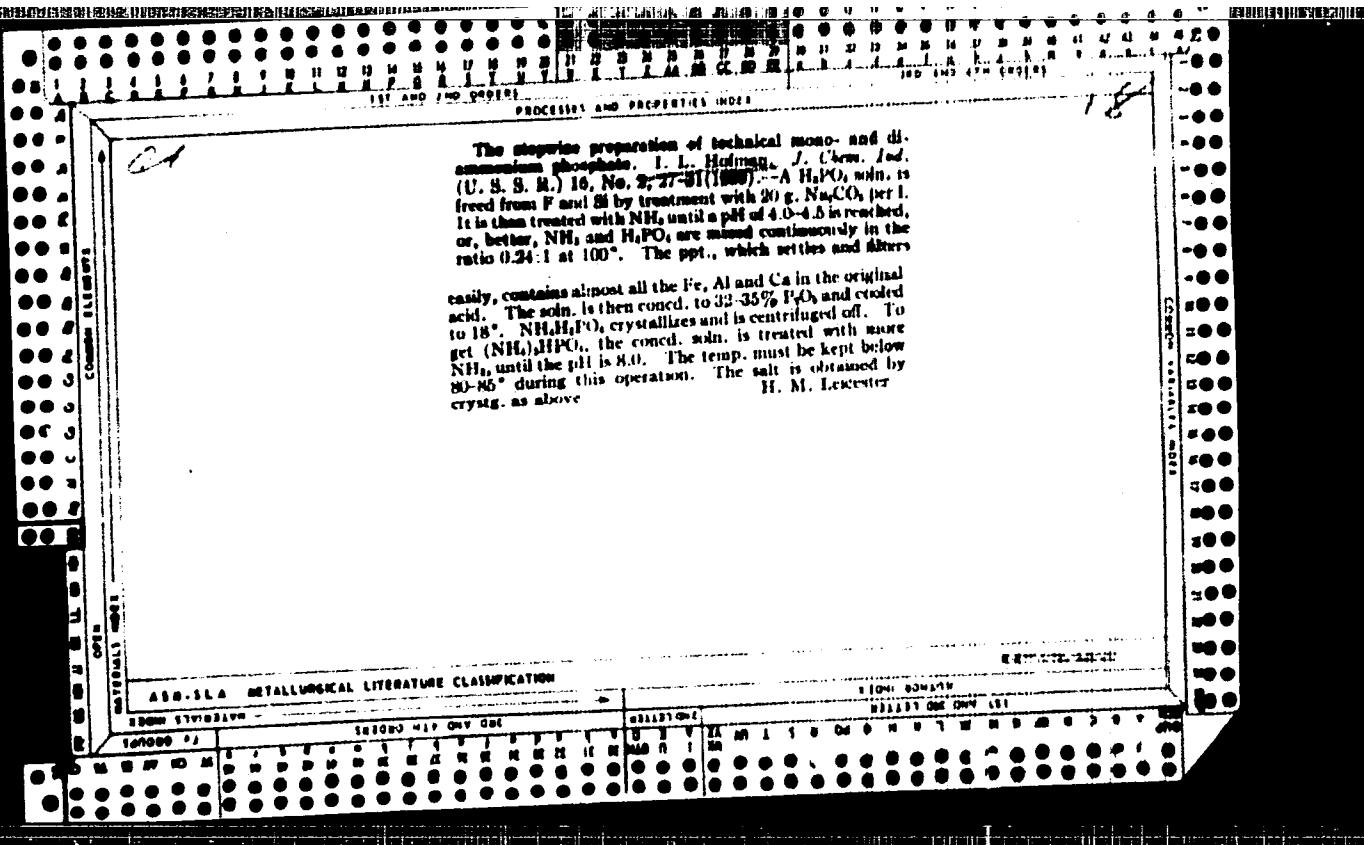
Economic conference at the Moscow Tire Plant. Izvuz. i rez. 16
no. 5:36-37 My '57. (MLRA 10:7)
(Moscow--Tires, Rubber)

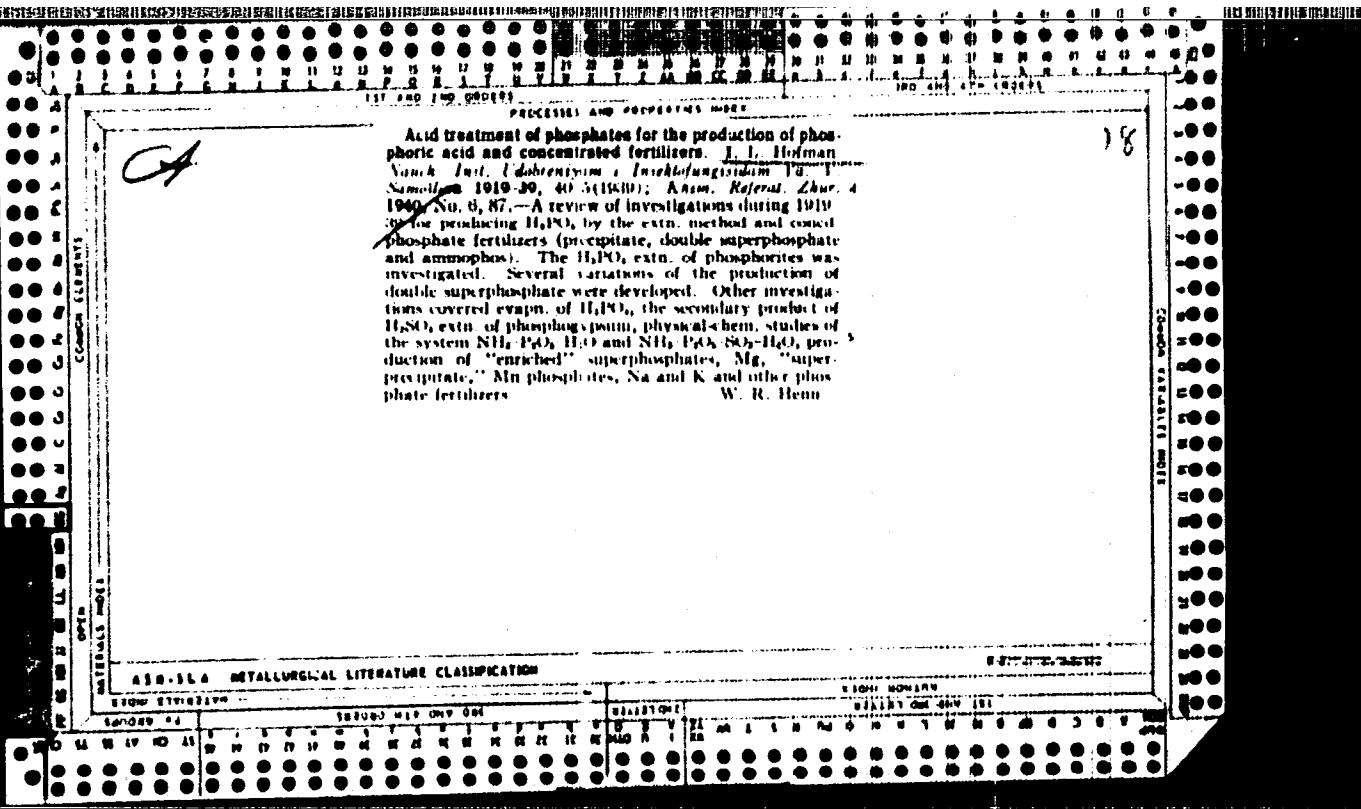
Ch

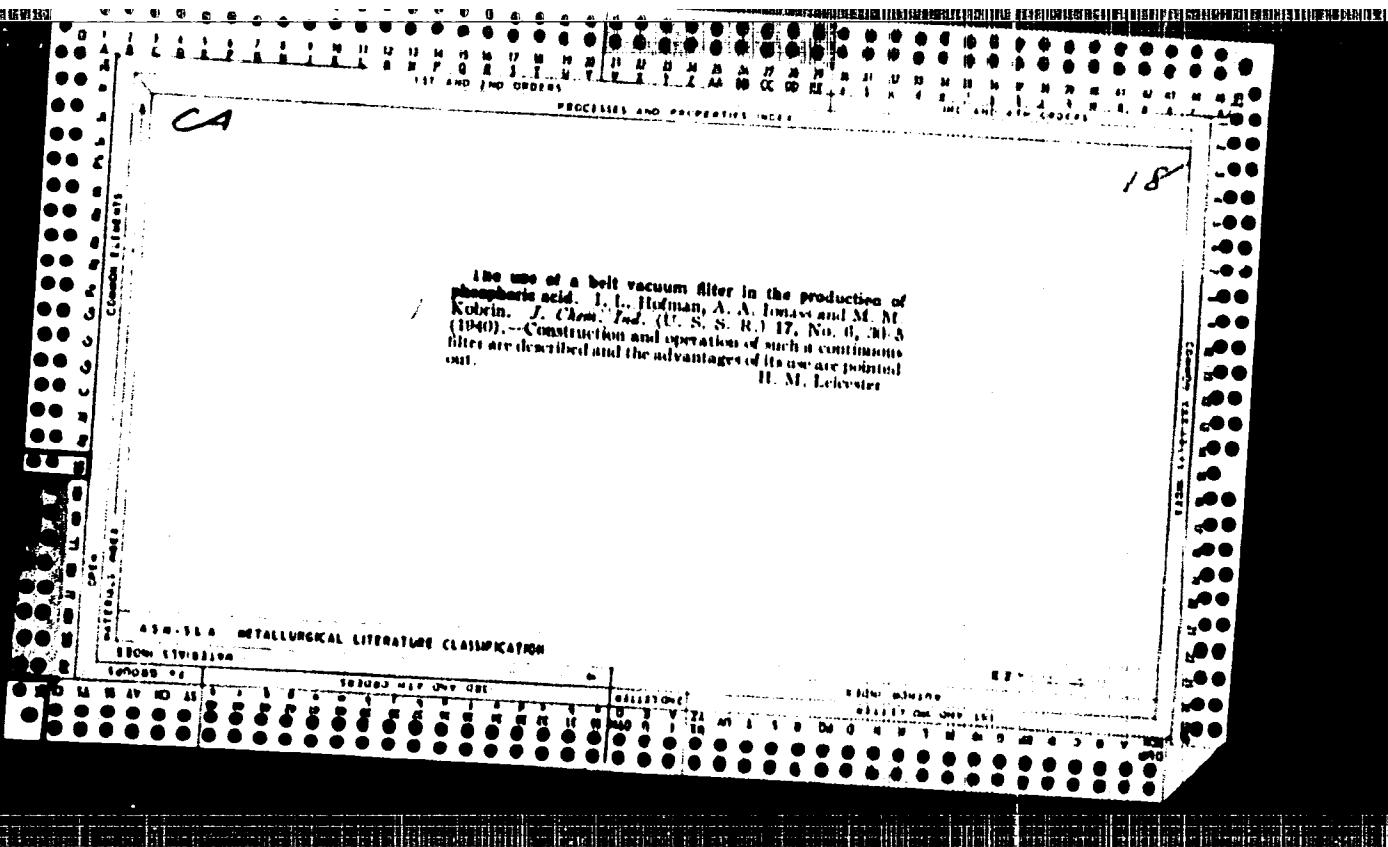
18

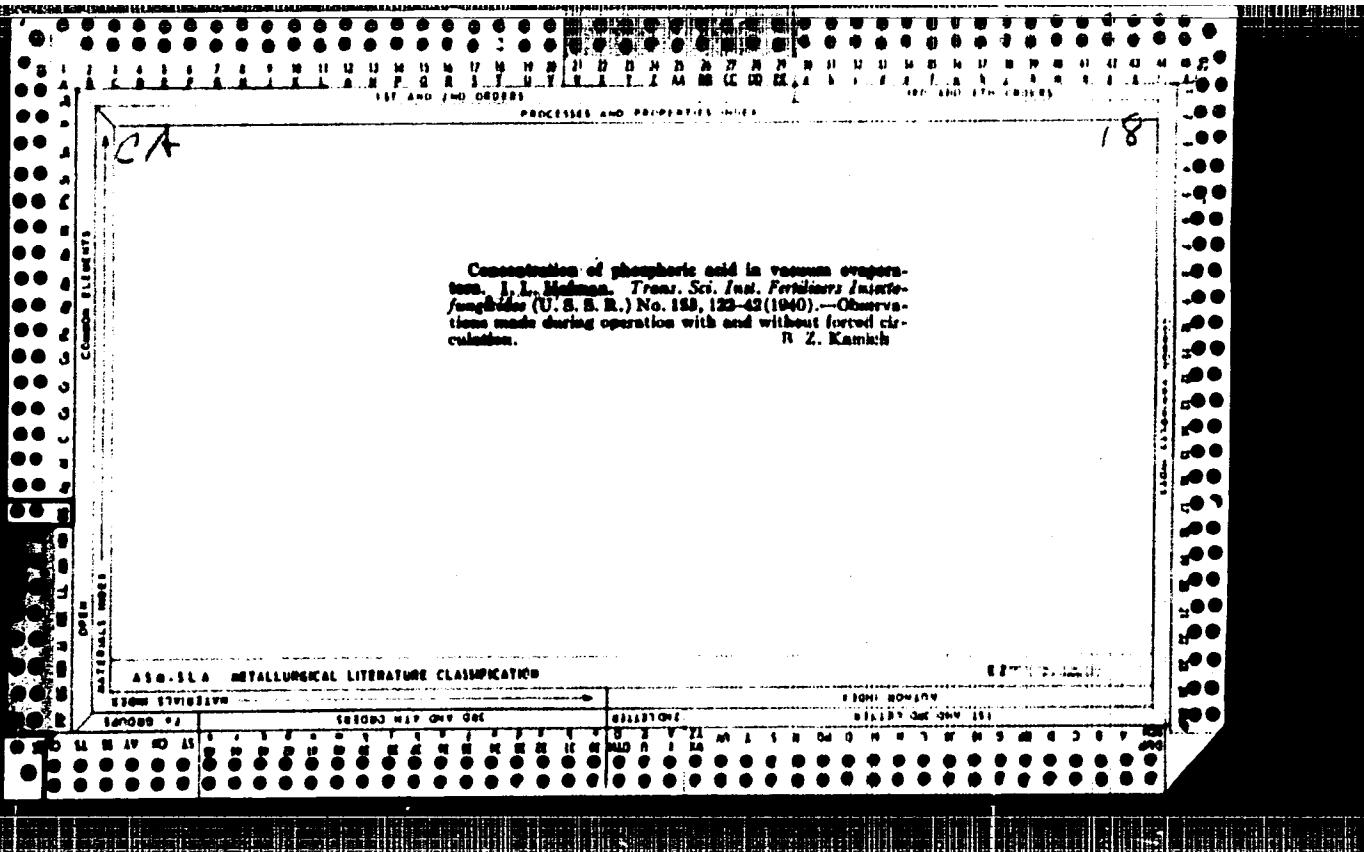
A circulating vacuum concentration outfit for phosphoric acid. I. Holman. Mineral. Udobering i. Turkofus-6 study 1989, No. 2, 92' 4; cf. C. A. 29, 4137, 4227. A description and illustration of an original app. J. S. J.

ASG-31A METALLURGICAL LITERATURE CLASSIFICATION









CA

18

Production of technical mono- and diammonium phosphates by pyrolytic extraction. J. J. Hulman, Trans. Soc. Inst. Petroleum Extractives (U. S. S. R.) No 153, 202-14 (1940).—Lab. expts. were made with acid having P_2O_5 22.00-24.74, SO_3 0.71-1.15, CaO 0.14-0.41, R_2O_3 0.07-1.51, Fe_2O_3 0.56-0.81 and F 1.28-1.80%. The F is first removed from the acid and then it is said, with NH_3 for 1-1.5 hrs., with the ratio of $\text{NH}_3/\text{P}_2\text{O}_5$ in the liquid phase at about 0.24. The pulp from the first saturator is thickened in a Dove thickener and then sent through a vacuum filter, where the ppt. is also washed with water at 70-80° and then dried to 5-6% H_2O . The product contains 35.5% P_2O_5 and 5.32% NH_3 . The overflow from the thickener, as well as the main filtrate and wash waters, is evapd. to 34-34% P_2O_5 . In the production of $(\text{NH}_4)_2\text{PO}_4$, the concd. soln. is cooled to 18° and then centrifuged to sep. the $\text{NH}_4\text{H}_2\text{PO}_4$ from the mother liquor. In the production of $(\text{NH}_4)_2\text{HPO}_4$, the concd. soln. is sent to a second saturator, where it is said, with NH_3 to a pH of about 8.0 at a temp. of not over 80°. The soln. is then cooled and centrifuged. The mother liquors in both stages are reused for evapn. with the overflow from the thickener. B. Z. Kamich

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

ECONOMIC ENGINEERING

TECHNICAL INFORMATION

STANDARD 1940

1940-1944

SECOND REV. ONLY ONE

1945-1949

1950-1954

1955-1959

1960-1964

1965-1969

1970-1974

1975-1979

1980-1984

1985-1989

1990-1994

1995-1999

2000-2004

2005-2009

2010-2014

2015-2019

2020-2024

2025-2029

2030-2034

2035-2039

2040-2044

2045-2049

2050-2054

2055-2059

2060-2064

2065-2069

2070-2074

2075-2079

2080-2084

2085-2089

2090-2094

2095-2099

2100-2104

2105-2109

2110-2114

2115-2119

2120-2124

2125-2129

2130-2134

2135-2139

2140-2144

2145-2149

2150-2154

2155-2159

2160-2164

2165-2169

2170-2174

2175-2179

2180-2184

2185-2189

2190-2194

2195-2199

2200-2204

2205-2209

2210-2214

2215-2219

2220-2224

2225-2229

2230-2234

2235-2239

2240-2244

2245-2249

2250-2254

2255-2259

2260-2264

2265-2269

2270-2274

2275-2279

2280-2284

2285-2289

2290-2294

2295-2299

2300-2304

2305-2309

2310-2314

2315-2319

2320-2324

2325-2329

2330-2334

2335-2339

2340-2344

2345-2349

2350-2354

2355-2359

2360-2364

2365-2369

2370-2374

2375-2379

2380-2384

2385-2389

2390-2394

2395-2399

2400-2404

2405-2409

2410-2414

2415-2419

2420-2424

2425-2429

2430-2434

2435-2439

2440-2444

2445-2449

2450-2454

2455-2459

2460-2464

2465-2469

2470-2474

2475-2479

2480-2484

2485-2489

2490-2494

2495-2499

2500-2504

2505-2509

2510-2514

2515-2519

2520-2524

2525-2529

2530-2534

2535-2539

2540-2544

2545-2549

2550-2554

2555-2559

2560-2564

2565-2569

2570-2574

2575-2579

2580-2584

2585-2589

2590-2594

2595-2599

2600-2604

2605-2609

2610-2614

2615-2619

2620-2624

2625-2629

2630-2634

2635-2639

2640-2644

2645-2649

2650-2654

2655-2659

2660-2664

2665-2669

2670-2674

2675-2679

2680-2684

2685-2689

2690-2694

2695-2699

2700-2704

2705-2709

2710-2714

2715-2719

2720-2724

2725-2729

2730-2734

2735-2739

2740-2744

2745-2749

2750-2754

2755-2759

2760-2764

2765-2769

2770-2774

2775-2779

2780-2784

2785-2789

2790-2794

2795-2799

2800-2804

2805-2809

2810-2814

2815-2819

2820-2824

2825-2829

2830-2834

2835-2839

2840-2844

2845-2849

2850-2854

2855-2859

2860-2864

2865-2869

2870-2874

2875-2879

2880-2884

2885-2889

2890-2894

2895-2899

2900-2904

2905-2909

2910-2914

2915-2919

2920-2924

2925-2929

2930-2934

2935-2939

2940-2944

2945-2949

2950-2954

2955-2959

2960-2964

2965-2969

2970-2974

2975-2979

2980-2984

2985-2989

2990-2994

2995-2999

3000-3004

3005-3009

3010-3014

3015-3029

3020-3024

3025-3029

3030-3034

3035-3039

3040-3044

3045-3049

3050-3054

3055-3059

3060-3064

3065-3069

3070-3074

3075-3079

3080-3084

3085-3089

3090-3094

3095-3099

3100-3104

3105-3109

3110-3114

3115-3119

3120-3124

3125-3129

3130-3134

3135-3139

3140-3144

3145-3149

3150-3154

3155-3159

3160-3164

3165-3169

3170-3174

3175-3179

3180-3184

3185-3189

3190-3194

3195-3199

3200-3204

3205-3209

3210-3214

3215-3219

3220-3224

3225-3229

3230-3234

3235-3239

3240-3244

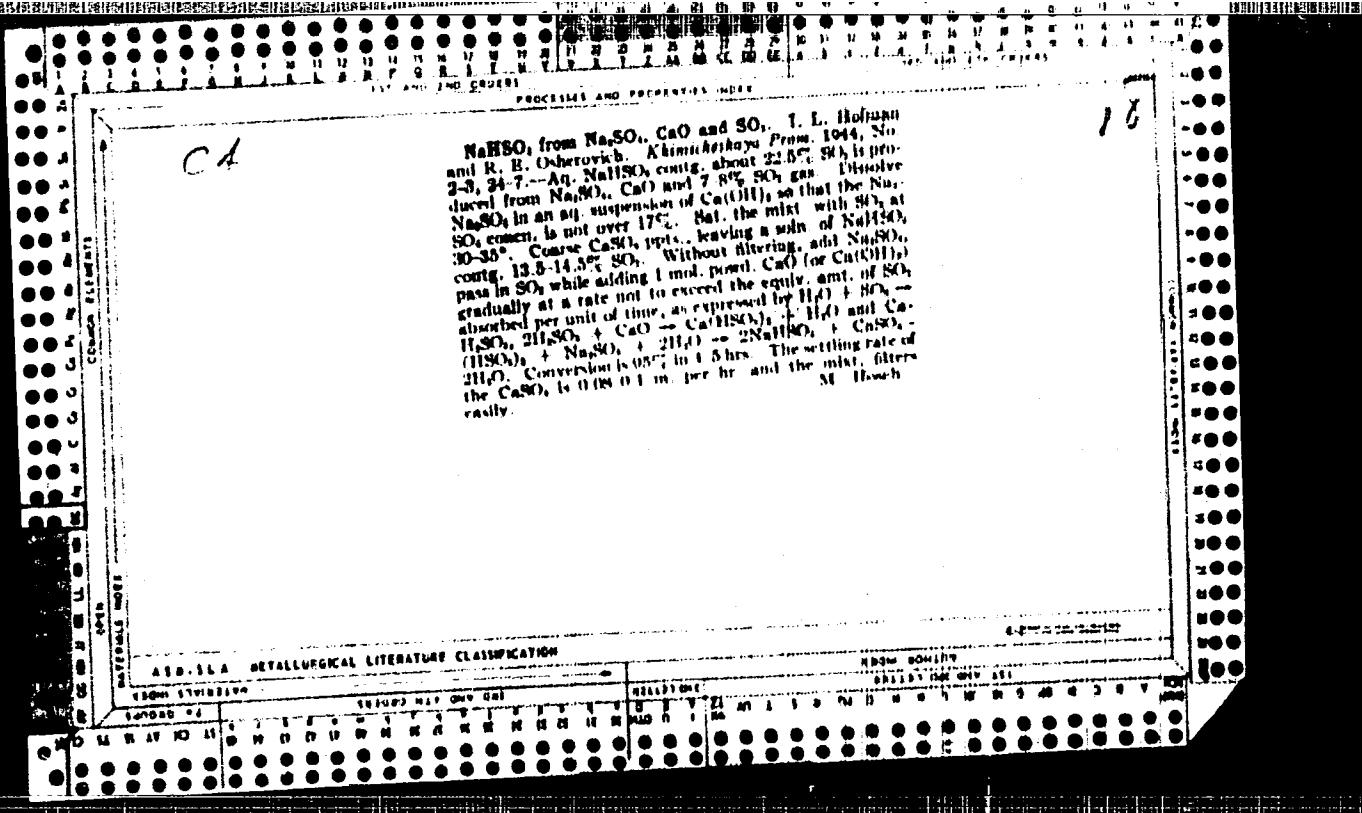
3245-3249

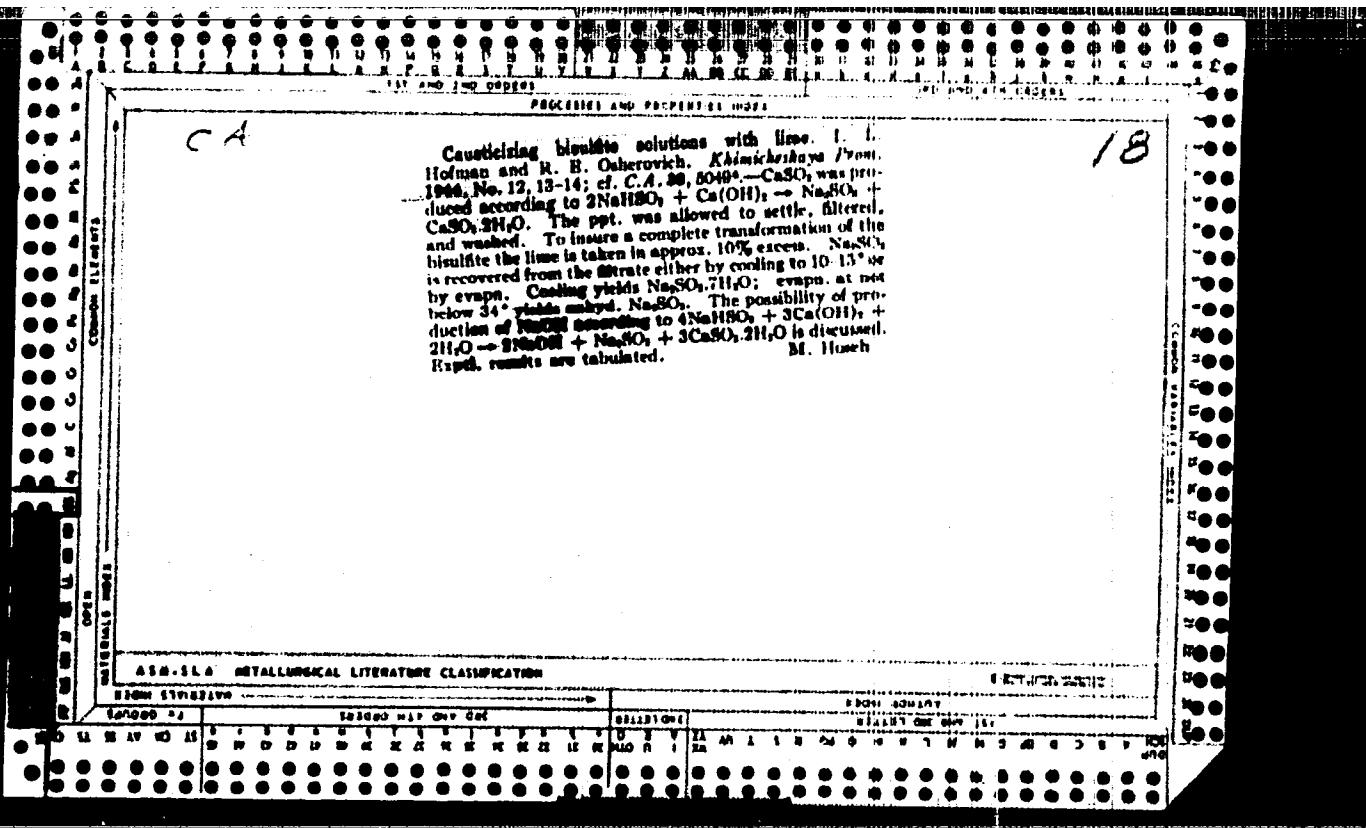
CA

B

Obtaining high-quality superphosphate. I. L. Hofman and A. I. Seigner. *J. Chem. Ind. (A.S.S. R.)* 18, No. 1, 16 (1941); *Chem. Zentr.*, 1942, II, 2734. Each 100 parts apatite concentrate require 72.3 parts of 50% H₂SO₄. The amt. of bone meal added should be kept as low as possible, and should be added just before shipping. The product requires strong cooling and stirring.
H. M. Leicester

ABE-11A METALLURGICAL LITERATURE CLASSIFICATION





Sodium bisulfite. I. L. Hofman. U.S.P.R. 33,177, Aug. 31, 1915. To a dil. cold soln. of $\text{Ca}(\text{OH})_2$ in a soln. of Na_2SO_4 is added 1 mol. of SO_2 per mol. of CaO . The temp. is kept at not over 35° . Then another mol. of CaO per mol. CaO is added without cooling. Finally enough sulfate is added to give the desired concn. of bisulfite, and SO_2 is passed through continuous addition of dry CaO . This addition is so called, that NaHSO_3 and CaSO_3 are formed continuously at a const. pH. M. Hoch

11

GOPMAN, I.L., kandidat tekhnicheskikh nauk

Manufacture and uses for sodium phosphates. Khim.prom. no.7:210-214
(MLBA 8:12)
JL '47.
(Sodium phosphates)

GOFMAN, I.L.; OSHCHEROVICH, R.Ye.

Phosphate fertilizer. Patent U.S.S.R. 76, 783, Dec. 31, 1949.
(CA 47 no.19:10166 '53)

USSR/Chemistry - Phosphorus and phosphoric acid technology

FD-1.1B

Card 1/1 Pub 50-18/19

Author : Gofman, I. L., Cand Tech Sci

Title : Contemporary developments in the production of phosphorus and of phosphoric acid ("Foreign Developments")

Periodical : Khim. prom., No 2, 119-127 (55-62), Mar 1955

Abstract : Reviews recent technological developments in the phosphorus and phosphoric acid industry on the basis of foreign publications. Fifty one references, none USSR.

GOFMAN, I.L.; ZUSSER, Ye.Ye.; TSYRLIN, D.L.; SHERESHEVSKIY, A.I.

Developing the technology of granulated superphosphate production.
Trudy NIUIF no.157:7-60 '55.
(Phosphates) (MERA 9:9)

USSR/Chemical Technology - Chemical Products and Their Application. Fertilizers,
I-6

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62119

Author: Gofman, I. L.

Institution: None

Title: Current Trends in the Development of Production of Concentrated
Phosphorus Fertilizers

Original

Periodical: Khim. prom-st', 1956, No 1, 48-58

Abstract: Review of development of production of double and enriched super-
phosphates, NH₄ phosphates, precipitate (CaHPO₄) and Ca, K and NH₄
metaphosphates after the Second World War in the United States and
other capitalistic countries. Bibliography, 93 titles.

Card 1/1

GOFMAN, I.L., kandidat tekhnicheskikh nauk.

Defluorinated, fused and thermoalkaline phosphates (thermophosphates).
Khim.prom.no.7:436-444 O-N '56.
(Phosphates) (MERA 10:1)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520017-4

GOFMAN, I. L.

Distr: 4E4j

27
Sulfuric phosphoric acids and their uses. I. L. Gofman
Chem. News 1952, p. 2, 700-18(1952).--Review with 10
References. I. L. Gofman

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520017-4"

SOV/138-59--4-19/26

AUTHOR: Gofman, I.I.

TITLE: The Moscow Tyre Factory (Na Moskovskom shinnom zavode)

PERIODICAL: Kauchuk i Rezina, 1959, Nr 4, p 53 (USSR)

ABSTRACT: Outputs during the last quarter of 1958 were increased. The production of 12.00-18 tyres for ZIL-157 cars was commenced during 1958. New research and development work during the past year on tubeless tyres 5.60-15 mark M-45 for the "Moskvich-40" car, on tubeless tyres 5.20-13 and on the construction of the tyres 7.00-16 type M-61 for sports car ZIL-112 etc. is reviewed. SKS-30, ShKhP, carboxylate and methyl vinyl pyridine latexes were tested, as well as silicon lubricants. During the seven-year plan production is to be increased by 29%.

Card 1/1

5(1), 25(2)

AUTHORS: Ginzburg, E. N., Candidate of Technical Sciences, Gofman, I. L.,
Candidate of Technical Sciences, Milovanova, S. K., Candidate of
Technical Sciences

TITLE: Filtration of Extraction - Orthophosphoric Acid by Means of a
Vacuum Belt Filter

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 5, pp 443 - 445 (USSR)

ABSTRACT: The application of a vacuum belt filter to the filtration of extraction -orthophosphoric acid was decided by NIUIF. Opytnyy zavod NIUIF (Testing Plant NIUIF) participated in the elaboration of this filter, which was tested in this plant. The main parts of the installation were made of acid proof material. the metallic parts consisted of the steel types Kh23N26M3D3T, Kh18M12M2T, and steel plate 1Kh18N9T. The filtration area was 1.7 m², the width of the belt filter was 0.5 m (moving with a velocity of 4m/min) and the total length of the vacuum chamber was 3400 mm. The vacuum chamber was subdivided into 4 compartments (600 mm, 900 mm resp. 950 mm long). A schematic description of the production of orthophosphoric acid and its filtration as well as the washing out of the superphosphate by an opposite directed current is given (Fig). An opposite directed

Card 1/2

SC7/34-39-5-20/28

Filtration of Extraction - Orthophosphoric Acid by Means 507/64-59-5-2c/2s
of a Vacuum Belt Filter

current system admits a single-phase filtration with a washing by 4 filters. The concentration of the produced orthophosphoric acid amounted, for a moisture content of about 40%, to 24-25% P_2O_5 , the filtered amount of superphosphate being 850 kg/m².hour (for a layer thickness of 23-25 mm of the filter residues at the belt filter). The temperature in the extractors was held at 79° or 71°, the temperature of the filtrates was between 49-56°. The extraction coefficient of P_2O_5 from superphosphate, amounted an average of 98-99%. There are 1 figure and 1 reference.

Card 2/2

GOFMAN, I.L.; LIKOV, M.V.; KHUDOLEY, I.P.

Production of sodium tripolyphosphate and pyrophosphate.
Khim. prom. no.9:28-32 8 '61. (MIRA 15:1)
(Sodium pyrophosphate)
(Sodium tripolyphosphate)

GOFMAN, I.L.

Improving the evaluation of test results. Kauch.i rez. 21
no.2:47-48 F '62. (MIRA 15:2)

1. Moskovskiy shinnyy zavod.
(Rubber—Testing)

GOFMAN, I.L., kand.tekhn.nauk

Present-day developments in the production of phosphates. Zhur.
VKHO 7 no.1:72-80 '62. (MIRA 15:3)
(Phosphates)

GOFMAN, I.L.; ZOTOVA, K.S.; ALEKSASHINA, L.M.; Prinimali uchastiye: VINNIK,
M.M.; LYSENKO, M.G.; BAKARINOVA, N.M.; NIKITINA, N.A.

Preparation of a tetrasodium pyrophosphate decahydrate food product
based on phosphoric acid obtained by the extraction method. Khim.-
prom. no.9:630-632 S '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut po udobreniyam i insekto-
fungisidam imeni Samoylova i Opytnyy zavod Nauchno-issledovatel'skogo
instituta po udobreniyam i insektarfungisidam imeni Samoylova.
(Phosphoric acid) (Sodium pyrophosphate)

GOFMAN, I.M.

Apparatus for the diagnosis and treatment of strabismus and amblyopia. Med.prom. 13 no.6:53-60 Je '59. (MIHA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.
(EYE, INSTRUMENTS AND APPARATUS FOR)

27.1000

30125
S/194/61/000/007/042/079
D201/D305

AUTHORS: Tabarovskiy, I.K., Gofman, I.M., Vinogradov, P.M.,
Pushkarev, A.A. and Pomeletsov, A.N.

TITLE: An electro-kymograph, scintillation model EKC -60
(EKS-60)

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 7, 1961, abstract 7 E15 (Novosti med. tekhn.,
1960, no. 5, 41-63).

TEXT: The graphical recording of pulsating movements of the cardiac vessel cluster as observed using X-rays el. kymography, is used for diagnosing not only cardial vessels but also pulmonary diseases, e.g. cancer. The model EKS-60 has been approved for series induction. It permits simultaneous registration of the electro-cardiogram and of one of the following processes: The pulsation of heart periphery and of large blood vessels, the capillary pulse of the pulmonary parenchyma, diff. pulmonary ventilation. It is also pos-

X

Card 1/2

An electro-kymograph...

³⁰¹²⁵
S/194/61/000/007/042/079
D201/D305

sible to register simultaneously the diff. pulmonary ventilation of both lungs or of any 2 electrocardiogram connectors. Either a static or scintillation slot diaphragm probe is used. The probe oscillations are applied simultaneously after amplification to a recorder and an oscilloscope. Provision is made for signalling in case the probes and indicators are located separately. The construction is given of the probe together with the diagram of a 2-channel balanced photo amplifier with noise compensation circuits and of a 2-channel oscilloscope and of power supplies. The recording channels from the scintillation and static probes have a frequency band 0.15 to 12 c/s and 0.04 to 8 c/s respectively. The horizontal oscilloscope sweep is regulated from 0.01 to 10.0 sec. The overall equipment power consumption is 1 kVA. Results of clinical experiments are given. 29 references. *[Abstracter's note: Complete translation]*

Card 2/2

TABAROWSKIY, I.K.; MANDEL'TSVAYG, Yu.B.; GOFMAN, I.M.; BENYUSH, V.A.;
POPOV, V.I.; AKATOV, Yu.A.

Diagnostic scintillation device of the DSU-60 type. Med.rad.
no.9:64-67 '61. (MIRA 15:1)

1. Iz ot dela radiologicheskikh i rentgenovskikh priborov i
apparatorv Vsesoyuznogo nauchno-issledovatel'skogo instituta
meditsinskogo instrumentariya i zaborudovaniya Ministerstva
zdravookhraneniya SSSR.
(RADIOLOGY, MEDICAL-EQUIPMENT AND SUPPLIES)

TABAROVSKIY, I.K.; GOFMAN, I.M.; POMEL'TSOV, A.N.

Soviet-manufactured electrokymograph EKS-60. Vest. rent. i rad.
37 no. 5:55-60 S-O '62. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i oborudovaniya (direktor - kand. tekhn. nauk I.P.
Smirnov).

FILATOV, Mikhail Nikolayevich; GOFFMAN, Iosif Moiseyevich

[KO, KOM, and DKO-series electric motors; a reference catalog] Elektrosvigateli serii KO, KOM i DKO; katalog-spravochnik. Moskva, Nedra, 1965. 111 p.
(MIRA 18:7)

GOFMAN, I.M. (Moskva); DMORHOVSKII, V.V. (Moskva); YERMILOVICH, Ye.V.
(Moskva); LAGUNOVA, I.G. (Moskva); KHRIMLYAN, A.I. (Moskva)

Reconstruction of a standard 18-bed radiological department
meeting the current requirements of medical technology. Study
Tsentr. nauch.-issl. inst. rentg. i rad. 11 no.12305-310 '64.
(MIRA 18:11.)

AUTHOR: Gofman, I.N., Engineer

SOV/91-58-12-5/2C

TITLE: Acid Washing of the Boilers (*Kislotnaya promyvka kotlov*)

PERIODICAL: Energetik, 1958, Nr 12, pp 12-14 (USSR)

ABSTRACT: Boilers used in the **Novo-Kuznetskaya Thermolectric Power Plant** are of "Bukkau" make, having 81 t/h capacity and 126 atm pressure. The author reports the method used to remove corrosion layers consisting of magnetic ferrous and ferric oxides caused by negligent treatment of the boilers during their 13 years of idleness. The whole circulation line was washed with acids. To protect the equipment from the corrosive influence of acid, endangered spots and areas were covered with 2 layers of bakelite varnish, the third (the outer) coat being of acid-resistant perchlorvinyl varnish. Laboratory tests proved that such a coating stands the corrosive influence of a 6 or 8% solution of hydrochlorine acid for 8 or 10 hours at a temperature of 65 to 70° C. The whole washing process was completed

Card 1/2

Acid Washing of the Boilers

SOV/91-58-12-5/20

in 6 or 8 hours. The used acid solution was of 3 or 5 % concentration at a temperature of 45 to 50° C.
There are 3 graphs and 1 schematic diagram.

Card 2/2

KOSTRIKIN, Yu.M., kand.tekhn.nauk; GOFMAN, I.N., inzh.; IVANOVA, V.A.

Removing iron from water by means of cellulose. Teploenergetika
7 no.3:13-17 Mr '60.
(MIRA 13:5)

1. Vsesoyuznyy teplotekhnicheskiy institut i Novo-Kemerovskaya
teploelektrotsentral'.
(Feed--Water purification)

GOFMAN, I.N., inzh.; BEZRQDNYY, G.A., inzh.

Automation of the preparation of the regenerative salt solution.
Energetik 10 no.10:8-9 0 '62. (MIRA 15:12)
(Automatic control) (Chemical apparatus)

GOFMAN, I.N., inzh.

Clarification of limewater in a chemical water purification system. Elek. sta. 33 no.5:24-26 My '62. (MIRA 15:7)
(Feed-water purification)

GOFMAN, I.N., inzh.; SAMOFALOV, V.G., inzh.

System for protecting filter bases in desalting systems from
corrosion. Energetik 11 no.7:14-15 J1 '63. (MIRA 16:8)

(Feed-water purification)

GOFMAN, I.P.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 234 - I

BOOK

Call No.: TN665.G6

Author: GOFMAN, I. P., Engineer
Full Title: PHYSICAL AND CHEMICAL PRINCIPLES OF METALLURGY
Transliterated Title: Fiziko-khimicheskiye osnovy metallurgii

Publishing Data

Originating Agency: None
Publishing House: State Publishing House of Scientific and Technical
Literature on Ferrous and Non-Ferrous Metallurgy

Date: 1948 No. pp.: 279 No. of copies: 3,500

Editorial Staff

Editor: None

Editor-in-Chief: None

Tech. Ed.: None

Appraisers: Ageyevkov, V. G.,
Prof., Vol'skiy, A. N.,
Prof. Doctor

Text Data

Coverage: This textbook is a compact exposition of the physical and chemical principles necessary for understanding the main metallurgical processes. The physicochemical characteristics of various metals and their alloys are given, and their behaviour in the metallurgical processes analysed. Charts and tables.

1/2

Fiziko-khimicheskiye osnovy metallurgii

AID 234 - I

This book is short, but comprehensive and well-written.

Purpose: Approved by the Ministry of the Metallurgical Industry, USSR, as a textbook for mining and metallurgical technical schools.

Facilities: None

No. of Russian and Slavic References: 29 (1933-1946)

Available: Library of Congress.

2/2

GOFMAN, I.P.; MURZENKO, T.I.. otv. za vyp.; SAVITSKIY, N.F., otv.
za vyp.; RAZUMOVSKIY, N.N., red.

[Visual demonstration in teaching a class on the topic
"Production of ferrous and nonferrous metals" in the course
"Technology of metals and structural materials"] Nagliad-
nost' v prepodavanii razdela "Proizvodstvo chernykh i tsvet-
nykh metallov" kursa "Tekhnologiya metallov i konstruktions-
nye materialy"; metodicheskoe posobie dlia prepodavatelei
tekhnikumov. n.p. Rosvuzisdat, 1962. 21 p. (MIRA 16:7)

1. Russia (1917- R.S.F.S.R.) Uchebno-metodicheskiy kabinet
po srednemu spetsial'nому obrazovaniyu.
(Metallurgy--Study and teaching)
(Visual education)

(GOFMAN, I.P.)

PHASE I BOOK EXPLOITATION

SOV/5199

Diyev, Nikolay Pavlovich (deceased), and Irina Petrovna Gofman

Metallurgiya svintsa i tsinka (Lead and Zinc Metallurgy) Moscow,
Metallurgizdat, 1961. 406 p. Errata slip inserted. 4,200
copies printed.

Ed.: N. V. Gudima; Ed. of Publishing House: O. M. Kamayeva; Tech.
Ed.: P. G. Islent'yeva.

PURPOSE: This textbook is intended for students at metallurgical
tehnikums. It may also be useful to students at schools of
higher education, and to skilled workmen who are receiving ad-
ditional training.

COVERAGE: Current manufacturing processes employed in the produc-
tion of lead and zinc at Soviet plants are described. The most
important equipment of these plants and its maintenance are also
discussed. Examples of calculations related to lead and zinc
processing and to designs of equipment are given. Part I was

Card 1/13

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000615520017-4"
SOV/5199

written by Professor N. P. Diyev, Doctor of Technical Sciences.
After his death it was revised and supplemented by I. P. Gofman,
Engineer, who also wrote Part II. I. P. Gofman thanks G. M.
Steyngart, Candidate of Technical Sciences, Engineers V. I.
Yermakov and P. T. Kravchenko, and Z. V. Chumak, V. V. Zablot-
There are 23 references, all Soviet.

TABLE OF CONTENTS:

Foreword

3

PART I. LEAD METALLURGY

Ch. I. General Information on Lead and Lead Ores	
1. Physical properties of lead	5
2. Chemical properties of lead and of its compounds	5
3. The use of lead	6
4. Lead ores and their preparation for metallurgical processing	8
	9

Card 2/13

GOFMAN, Irina Petrovna MIKHAYLOV, N.N., otv. red.; N. MOTS'KA, s.V.;
red.

[Technology of metals and structural materials. Program
(on the basis of an 8- and 11-year secondary school of 96
hours): Methodological instructions and test assignments
for students] Tekhnologiya 8 i 11 klassov srednej shkoly, ob"em
96 chasov; Metodicheskie ukazaniia i kontrol'nye zadaniia dlia
uchashchikhsia metallurgicheskikh spetsial'nostei zashchitykh
srednikh spetsial'nykh uchebnykh zavedenii. Moscow, Vysshiaia
shkola, 1964. 71 p. (MLD 18:5)

1. Russia (1923-- U.S.S.R.) Ministerstvo vysshego i srednego
spetsial'nego obrazovaniya. Tsentral'nyy metodicheskiy kabinet
po srednemu spetsial'nomu obrazovaniyu.

GOFMAN, Igor Valentinovich

DECEASED
1903-1963

1964

Electric Power

AUTHOR: Gofman, I.Ya. (Sterlitamak)

SOV/140-58-4-6/30

TITLE: On the Properties of the Solutions of the Differential Equation

$$(1) \frac{d^n y}{dx^n} + p(x) \frac{d^{n-1} y}{dx^{n-1}} + q(x) \frac{d^{n-2} y}{dx^{n-2}} + f(x)y = 0$$

and Their Derivatives for Large Values of the Argument
 (O svoystvakh resheniy differentsial'nogo uravneniya

$$(1) \frac{d^n y}{dx^n} + p(x) \frac{d^{n-1} y}{dx^{n-1}} + q(x) \frac{d^{n-2} y}{dx^{n-2}} + f(x)y = 0$$

i ikh proizvodnykh dlya bol'sikh znacheniy argumenta)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1958, Nr 4,
 pp 54-59 (USSR)

ABSTRACT: Let I denote the domain of the large positive values of x. The solution is called non-oscillating if it has no zeros.

Theorem: 1. Let $p(x) > 0$, $q(x) > 0$; let the $p''(x)$ and $q'(x)$ be monotone and continuous, let $f(x) \neq 0$ be continuous in I.

2. Let $\lim_{x \rightarrow \infty} x^2 (q - \frac{1}{2} p') < \frac{1}{4}$, $q - \frac{1}{2} p' > \frac{1}{4} p^2$.

3. Let exist $\int_{\xi}^{\infty} p(x) dx$.

Card 1/2

On the Properties of the Solutions of the Differential
Equation

SOV/140-58-4-6/30

$$(1) \quad \frac{d^n y}{dx^n} + p(x) \frac{d^{n-1} y}{dx^{n-1}} + q(x) \frac{d^{n-2} y}{dx^{n-2}} + f(x)y = 0$$

and Their Derivatives for Large Values of the Argument

4. In I let $O(f(x)) = O(\frac{1}{x^n})$.

Then there holds: 1. Every non-oscillating solution y of (1)
and its derivatives y' , y'' , ..., $y^{(n-1)}$ are strongly monotone in I;
 $y^{(n)}$ is non-oscillating in I. 2. For $f(x) > 0$ ($f(x) < 0$) and
 $n = 2m+1$ ($n=2m$), (1) has no positive increasing and negative
decreasing solutions. 3. For $f(x) > 0$ ($f(x) < 0$) and $n = 2m$ ($n=2m+1$),
(1) has no positive decreasing and negative increasing solutions.

SUBMITTED: February 3, 1958

Card 2/2

21

16(1)

AUTHOR: Gofman, I.Ya. SOV/14C-59-1-25/25
TITLE: Letter to the Editor. (*Pis'mo* : redaktsiyu)
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959,
Nr 1, p 231 (USSR)
ABSTRACT: The author corrects the numerous errors and misprints in his
paper "On the Properties of the Solutions of the Differential
Equation $y^{(n)} + p(x)y^{(n-1)} + q(x)y^{(n-2)} + f(x)y = 0$ and Their
Derivatives for Large Arguments" in Izvestiya vysshikh uchebnykh
zavedeniy. Matematika, 1958, Nr 4.
SUBMITTED: October 8, 1958

Card 1/1

16(1)

AUTHOR: Gofman, I.Ya.

05254
S07/140-59-5-10/25

TITLE: On an Asymptotic Problem

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959,
Nr 5, pp 98-103 (USSR)

ABSTRACT: Given the problem

$$(I) \frac{d^n y}{dx^n} = f(x, y) \cdot \varphi(x); \quad y|_{x=0} = y_0 > 0; \quad y'|_{x=0} = y''|_{x=0} = \dots \\ \dots = y^{(n-2)}|_{x=0} = 0, \quad \lim_{x \rightarrow \infty} y' = 0.$$

For $x > 0$, $-\infty < y < \infty$ let

1. $f(x, y)$ be unique and continuous

2. $\operatorname{sgn} f(x, y) = \operatorname{sgn} y$

3. $\left| \frac{f(x, y_2) - f(x, y_1)}{y_2 - y_1} \right| \leq \frac{1}{x^n}$ for $x > 0$; $f(x, y)$ be absolutely bounded

in every strip S : $0 < x \leq a$, $-\infty < y < +\infty$, a - arbitrarily positive;

Card 1/2

On an Asymptotic Problem

05254
SOV/140-59-5-10/25

4. $\varphi(x)$ be unique and continuous, $\varphi(x) > 0$ for $x > 0$ and

$$\frac{1}{(n-1)!x} \cdot \int_0^x \left(1 - \frac{t}{x}\right)^{n-2} \varphi(t) dt \leq 1 \text{ for } x > 0.$$

The author proves the existence and uniqueness of the solution of (I).

ASSOCIATION: Sterlitamakskiy pedagogicheskiy institut (Sterlitamak Pedagogical Institute)

SUBMITTED: February 7, 1958

Card 2/2

GOFMAN, I. Ya.

Cand Phys-Math Sci - (diss) "Several problems of differential equations." Kazan', 1961. 6 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Kazan' Order of Labor Red Banner State Univ imeni V. I. Ul'yanov-Lenin); 100 copies; price not given; (KL, 7-61 sup, 218)

GOFMAN, I.Ya.

Continuity of integral curves of nonlinear differential equations.
Izv. vys. ucheb. zav.; mat. no.1:20-27 '62. (MIRA 15:1)

1. Sterlitamakskiy gosudarstvennyy pedagogicheskiy institut.
(Differential equations)

GOFMAN, I.E. (Ikhengauzen, Federativnaya Respublika Germanii)

International Colloquium of Students of the History of Mathematics
held September 17-24 1961 at the Mathematical Institute in
Oberwolfach (Black Forest). Vop. ist. est. i tekhn. no.13:
189-190 '62. (MIRA 16:5)

(Mathematics--Congresses)

YEGOROV, N.S.; POPOVA, O.Ye.; BITTEYEVA, M.B.; BULGAKOVA, V.G.; GOFMAN, K.

Influence of the products of vital activity of bacteria on the
growth and antibiotic properties of various actinomycetes. Mikro-
biologiya 29 no.2:269-275 Mr-Ap '60. (MIRA 14:7)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova.
(ACTINOMYCES) (BACTERIA)

RAMKHEN, I.F.; FEDOTOV, D.D., prof., ovt.red.; PCSVYANSKIY, P.B., prof. ovt. red.; GOFMAN, K.G., kand.med.nauk, red.; RAVKIN, A.G., kand.med.nauk. red.

[Cooping treatment of the morphine abstinence syndrome using cholinolytic and curarelike substances; a methodological letter]
Kupirovanie morfiinoi abstinentsii kholinoliticheskimi i kurare-podobnymi preparatami; metodicheskoe pis'mo. Moskva, 1965. 23 p.

(MIRA 18:8)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut psichiatrii.

LOMBOS, Oszkar, dr.; HUTAS, Zsuzsanna, dr.; SZONYI, Laszlo, dr.; GOFMAN,
Ljubov[Liubov], dr.

Relation of bone marrow plasmocytes to serum gamma globulins in infancy.
Orv. hetil. 102 no.14:637-639 2 Ap '61.

1. Pecsi Orvostudomanyi Egyetem, Gyermekklinika es II Belklinika.

(GAMMA GLOBULIN)
(BONE MARROW anat & histol)

CZIRNER, Jozsef, dr.; GOFMAN, Ljubov, dr.

Local prednisolone therapy in postmyocardial infarct syndrome.
Orv. hetil. 106 no.11:507-509 14 Mr '65

1. Pecsi Orvostudomanyi Egyetem, II. Belklinika (igazgató:
Humori, Artur, dr.).

CSASZAR, Jozsef, dr.; GOFMAN, Ljubov, dr.

Unilateral polycystic kidney simulating nephritis. Orv. hetil.
106 no.46:2179-2184 14 N '65.

1. Pecsi Orvostudomanyi Egyetem, II. Belklinika (igazgato:
Hamori, Artur, dr.) es Urologiai Klinika (igazgato: Balogh,
Ferenc, dr.).

RUSIN, P.I.; GOFMAN, L.A.; SMOLYANINOV, A.I.; SHAPKIN, V.M.

Device for the control of the hardness of malleable cast iron
parts. Lit. proizv. no.8:38-39 Ag '62. (MIRA 15:11)
(Cast iron--Testing) (Hardness--Testing)

S GOFMAN, L.B.

High-speed Cutting in the Machining of Wheel Centers.
L. B. Gofman and E. N. Kulevskii. (Mashin i Tsvetokol',
1950, No. 4, 18-19). (In Russian). A high-speed turning
method is described which, carried out without readjusting,
assures a quality of surface satisfactory for wheel centers.

GOFFMAN, L.B.

Grinding flat guides instead of manual scraping in repairing
machine tools and forging presses. Mashinostroitel' no.1:30-32
(MIRA 12:1)
N '56.
(Grinding and polishing)

GOFMAN, L.I.

Prolonged continuous anticoagulant treatment of patients with coronary insufficiency. Sov.med. 26 no.1:99-103 Ja '63.
(MIRA 16:4)

1. Iz gospital'noy terapevticheskoy kliniki (dir. - prof. L.S. Shvarts) Saratovskogo meditsinskogo instituta.
(ANTICOAGULANTS (MEDICINE)) (CORONARY VESSELS--DISEASES)

Саратов, 1990 г., № 85.

Диагноз: острые осложнения при острой кардиальной инфаркте.
Скорая. 23 №.11:18-д № 85.

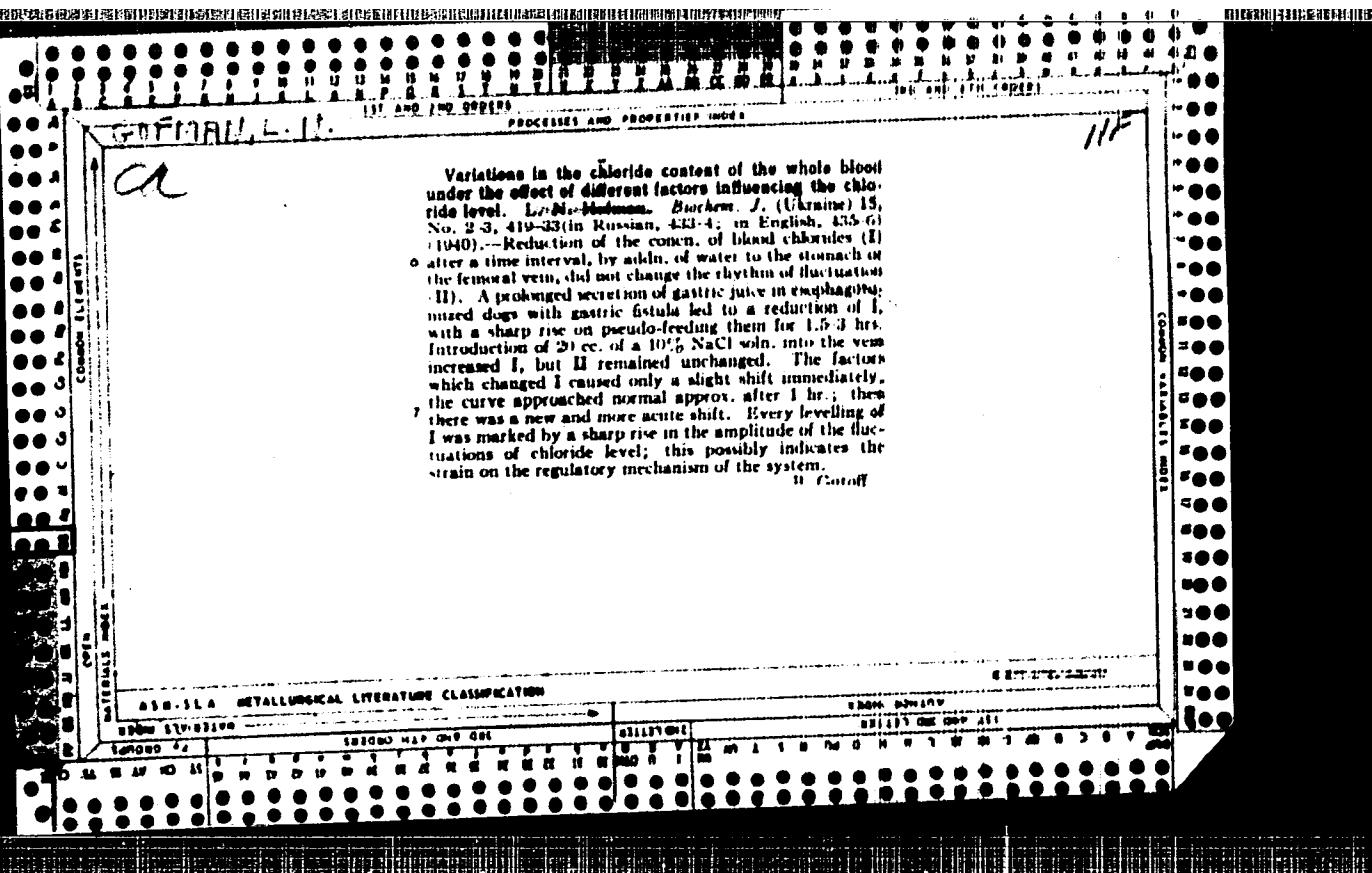
(МФН 13:02)

На Кафедре госпитальной терапии (зав. - проф. А.С.Швирин) лечебного факультета Саратовского медицинского института.

GOLYSHEVA, M.G.; GRISHANKOVA, Ye.V.; USPENSKAYA, V.E.; TSIBUL'SKAYA, M.I.;
GOFFMAN, L.Kh.; VASINA, T.A.

Preservation of *Eremothecium ashbyii* in active state. Mikrobiologiya
34 no.4:661-665 Jl-Ag '65. (MIPA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.



PROSPECTIVE AND PREDICTIVE 2021

ed

HF

Fluctuations of chloride in whole blood. L. Holman.
J. Physiol. U. S. S. R. 30, 245-8 (in French, 248) (1941).
In the arterial blood of dogs the chloride content fluctuates regularly and in most cases rhythmically, the lower and upper limits are 230 and 400 mg. % . The amplitude of fluctuations varies between 10 and 80 mg. %. The fluctuation is attributed to a const. interchange of chloride between the tissues and the blood regulated by a special mechanism; cf. *C. A.* 35, 60029. C. S. Shapiro

ABRILLA METALLURGICAL LITERATURE CLASSIFICATION

1(2,3)

SOV/84-59-9-19/66

AUTHOR: Gofman, M., Docent, Candidate of Technical Sciences

TITLE: Aerodynamic Peculiarities of Sweptback Wings at Large Angles of Incidence and at High Altitudes

PERIODICAL: Grazhdanskaya avitasiya, 1959, Nr 9, pp 11 - 14 (USSR)

ABSTRACT: In its essence, this article constitutes a theoretical aid for those who have to fly modern aircraft with swept-back wings at high altitudes, in a form understandable to a person with sufficient knowledge in the theory of flight. The author enumerates and explains the shortcomings inherent in the structure of a swept back wing in a low-speed flight at large angles of attack (premature turbulence of airflow at wing tips, drop of lift coefficient, arising of positive pitching moment and a resulting loss of stability and controllability, etc). Then he examines the turbulence of airflow in a high-speed flight at small angles of attack, due to the arising suction of the boundary layer off the

Card 1/3

✓

SOV/84-59-9-19/66

Aerodynamic Peculiarities of Sweptback Wings at Large Angles
of Incidence and at High Altitudes

wing toward the wing tips and because of interaction of compacted areas of airflow with the boundary layer, creating banking moments and resulting in violent vibrations, tipping of the aircraft to the right and left, etc. In the next section, the author deals with possible countermeasures such as shortening the wing aspect ratio, lessening the wing taper, providing the wing with fences preventing the boundary layer from shifting, using the wings with stepped leading edges, using the wings with varied sweepback (so called "sickle-shaped" wings), blowing the boundary layer off with the use of compressed air inside the wing, and application of slotted slats along the leading edges, etc. The last section deals with flights at sonic and supersonic speeds at high altitudes, and with aerodynamic phenomena arising in them (development of wave turbulence, peculiarities of bending strains, significance of proper

Card 2/3

✓

SOV/84-59-9-19/66

Aerodynamic Peculiarities of Sweptback Wings at Large Angles
of Incidence and at High Altitudes

centering of the aircraft, significance of proper selection of wing profiles and wing tip profiles, etc. In conclusion the author stresses the desirability of working out an automatic device that would react upon the vertical gusts and, by actuating the slats and the arrestors, decrease the angle of attack. A praising reference is made to a stalling angle indicator, a device warning the pilot of flying in the vicinity of or at the stalling angle of attack. There are 3 diagrams, 7 graphs and 1 photograph.

Card 3/3

GOFMAN, M. A.

Dissertation: "New Data on the Reflex Regulation of Milk Yield." Cand Biol Sci,
Inst of Physiology imeni I. P. Pavlov, Acad Sci USSR, Moscow, Oct-Dec 1953.
(Vestnik Akademii Nauk, Moscow, Jun 54)

SO: SUM 318, 23 Dec. 1954

GOFMAN, M.A.

Reflex regulation of milk secretion. Trudy Inst. fiziol. 4:22-23
'55. (MLIA 9:4)

1. Laboratoriya fizielegii sel'skohosyaystvennykh zhivotnykh
zaveduyushchiy I.A.Baryshnikov, i Laboratoriya fizielegii inter-
septivnykh refleksov, zaveduyushchiy E.Sh.Arapet'yants.
(Lactation) (Reflexes)

GOFMAN, M.A.

Localized form of congenital pemphigus. Vest.derm.i ven. 33 no.4:78
Jl-Ag '59. (MIRA 12:11)

1. Iz Omskogo zheliznodorozhnogo kozhno-venerologicheskogo dispensera.
(PEMPHIGUS)

GORIAN, M. .

7796.

GORIAN, M. B. ---Kontinirovannye ryb'evodno-sel'skogo khozyaistva
"Gzhelka". (Ramen Rayon). L., (•l'khorsiz, 1955. 40 s. c ill.
20 sm. 3.000 E.R. 05 R. (55-4299) P 639.31 t 016.597 (47.31)

SC:

Knizhnaya literatura, Vol. 7, 1955

SMETNEV, S.I., prof., doktor sel'skokhoz.nauk; BOGDANOV, M.N., zootehnik;
GOFFMAN, M.B., zootehnik; GRIGOR'YEV, G.K., zootehnik; ZHIDKIKH,
Z.A., kand.sel'skokhoz.nauk; PENSIONZHKEVICH, E.E., doktor biolog.
nauk, prof.; PREVO, A.A., kand.biolog.nauk; TRET'YAKOV, N.P., doktor
sel'skokhoz.nauk, prof.; USPENSKIY, A.A., kand.sel'skokhoz.nauk;
USHAKOV, A.A., kand.veterin.nauk; SHAPOVALOV, Ya.Ya., kand.sel'sko-
khoz.nauk; YAGODIN, P.Ye., zootehnik; YATSYNIN, N.N., zootehnik; PEDO-
ROVSKIY, N.P., kand.biol.nauk; SYCHIK, Ye.V., red.; PAVLOVA, M.M., tekhnred.

[Poultry raising; a manual for farm managers] Ptitsevoistvo;
rukovodstvo dlja zaveduiushchego fermoi. Izd.5, perer.i dop.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 495 p. (Bibliotekha
po ptitsevodstvu, no.1) (MIRA 12:4)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk im. V.I.Lenina (for Smetnev).
(Poultry)

USSR/Farm Animals. Domestic Birds

0-5

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50101

Author : Gofman M.B.

Inst : -

Title : Combined Fish and Duck Farms

Orig Pub : Nauka i peredov. opyt v s. ldi., 1957, No 7, 30-31

Abstract : No abstract

Card : 1/1

71

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000615520017-4
GOFMAN, M.B.

A needed book ("Poultry raising for meat production on collective farms" by I.Z. Kriazh, G.M. Kolobov. Reviewed by M.B. Gofman).
Ptitsevodstvo 8 no.5:43 My '58. (MIRA 11:5)
(Poultry) (Kriazh, I.Z.) (Kolobov, G.M.)

VOLKOV, V.A.; FEDOROVSKIY, N.P., kand.biolog.nauk; PLENICHZHKEVICH, E.E., prof., doktor biolog.nauk; MASLIYEV, I.T., kand.sel'skokhoz.nauk; KRIKUN, A.A., kand.sel'skokhoz.nauk; PATRIK, I.A., kand.sel'skokhoz.nauk; MALINOVSKAYA, A.S., kand.biolog.nauk; DAKHNOVSKIY, N.V., kand.biolog.nauk; ORLOV, M.V., kand.sel'skokhoz.nauk; REDIKH, V.K., kand.sel'skokhoz.nauk; GOFMAN, M.B., zootehnik; GRIGOR'YEV, G.K., starshiy nauchnyy sotrudnik; GORIZONTSOVA, Ye.A., starshiy nauchnyy sotrudnik; FEOKTISTOV, P.I., kand.veter.nauk; KOTEL'NIKOV, G.A., kand.veterin.nauk; SHKUDOVA, R.I., red.; BALAKIN, V.M., red.; GRADUSOV, Yu.N., red.; SOKOLOVA, G.S., red.; SAVTANIDI, L.D., tekhn.red.

[Duck raising] Utkovodstvo. Izd-vo M-va sel'khoz. R.S.F.S.R.,
1959. 284 p. [REDACTED] (MIRA 13:12)

1. Nachal'nik Glavnogo upravleniya ptitsevodstva Ministerstva sel'skogo khozyaystva RSFSR (for Volkov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsepromyshlennosti (for Grigor'yev). 3. Tsentral'nyy nauchno-issledovatel'skiy institut ptitsepererabatyvayushchey promyshlennosti (for Gorizontova).
(Ducks)

VOROB'YEV, D.P.; ROZENBERG, V.A., kand.biolog.nauk, otv.red.; GOFFMAN,
M.L., otv.za vypusk

[Key to the trees and shrubs of the Maritime Territory and the
Amur area] Opradelitel' derev'ev i kustarnikov Primor'ia i
Priamur'ia. Blagoveshchensk, Amurskoe knishnoe izd-vo, 1958.
183 p. (MIRA 13:4)

(Soviet Far East--Trees)
(Soviet Far East--Shrubs)

GOFMAN, A.L.

K voprosu o vliianii shchitkov na velichinu pod'yemnoi sily i predel'nogo ugla ataki, (Leningrad. Institut inzhenerov grazhdanskogo vozdushnogo flota, 1938, no. 13, p. 97-126, tables, diagrs.)

Title tr.: The problem of the effect of flaps on the lift force and the critical angle of attack.

TL725. ALL no.13

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

Gofman M.L.

86-11-16/31

AUTHOR: Gofman, M. L., Candidate of Technical Sciences, Docent

TITLE: Features of Hypersonic Speed Aerodynamics (Osobennosti aerodinamiki giperzvukovykh skorostey)

PERIODICAL: Vestnik Vozdushnogo Flota Nr 11, 1957, pp. 56-64 (USSR)

ABSTRACT: In this article the author describes some of the characteristic features of aerodynamics appearing at hypersonic speeds, i. e., when M is greater than 5. One of these features is the rise of the specific heat c_p and the decrease of k (the ratio of specific heats c_p and c_v) from $k \approx 1.4$ to $k \approx 1.29$. At M greater than 5 it can be assumed that $\sqrt{M^2 - 1} \approx M$. A law of similarity of hypersonic flows can be formulated which states that if the bodies having similar forms but different relative thicknesses τ are placed into flows with different M_s so that the parameter $M\tau$ remains constant, then the flows will be also similar, i.e., the character of the flow around the bodies will be identical. An important feature is the effect produced by the viscosity which leads to an interaction between the boundary layer and the shock wave. Also important is the effect of temperature at hypersonic speeds. A rise of temperature along the head shock leads to an intensive alternate heat transfer to the body which is in the flow. This in turn affects the flow near the surface of the body.

Card 1/2

66-11-16/31

Features of Hypersonic Speed Aerodynamics (cont)

Behind the shock wave and along the boundary layer the temperature may become so high that it may change the chemical properties of the gas. This will lead to a state where the static equilibrium between different kinds of internal energy of gas will be disturbed. In the first method, where the ballistic installations are used, the models under investigation are catapulted into the motionless air at a high speed. To obtain a very high speed (up to 20,000 km/hr) special cannons are used. These cannons can shoot into a tank with a variable gas or air pressure. To the second method belong the so-called aero-dynamic or rocket carriages. This is a special rail track of 3-7 kilometers long with auxiliary (booster) mechanisms. The carriage may be accelerated up to 1500 m/sec (up to 100 g). Recently, to investigate the hypersonic flows, shock pipes were adopted which are usually used to investigate the explosions. Presently, hypersonic aerodynamic tunnels are employed to investigate the flow at very high M_s . There are 9 diagrams and 1 schematic drawing.

AVAILABLE: Library of Congress

Card 2/2

ROZANOV, Oleg Nikolayevich, doktor tekhn.nauk; GOFMAN, M.L., kand.tekhn.
nauk, nauchnyy red.; VOROB'YEV, G.S., red.izd-vs; GURDZHIYeva,
A.M., tekhn.red.

[New passenger airplanes] Novye passazhirskie samolety. Lenin-
grad, Ob-ve po rassprostraneniu polit. i nauchn.znanii RSPSR,
Leningr.odd-nie, 1960. 42 p.
(Airplanes)

GOFMAN, M.L. (Leningrad)

"Aerodynamics; selected topics in the light of their historical development" by Theodor von Karman. Reviewed by M.L. Gofman.
Vop.ist.est. i tekhn. no.11:165-168 '61. (MIRA 14:11)
(Aerodynamics)
(Karman, Theodor von)

GOFMAN, M.M., VASIL'YEVA, A.I.; LUBENSKIY, N., red.; TOPCHOV, P., tekhn. red.

[Intensified loading of combines on the North Caucasian railroad]
Opyt Severo-kavkazskoi zheleznoi dorogi po uplotnennoi pogruzke
kombainov. Rostov-na-Donu, 1957. 19 p. (MIRA 11:10)

1. Dorozhnoye Nauchno-tekhnikeskoye obshchestvo, gruzovaya sluzhba
Severo-Kavkazskoy zheleznoy dorogi (for Gofman, Vasili'yeva)
(Combines(Agricultural machinery)--Transportation)

GOFMAN, M.P.

Planning of improvement cuttings in the pine strip forests
of the Minusinsk Basin. [Trudy] STI 35:85-93 '63
(MLRA 18:?)

VAGNER, Ye.N.; PODOLYAK, Z.Ya.; SOTNIKOVA, R.D.; BARSHEVA, A.I.,
nsuchnyy red.; GOFMAN, M.S., red.

[Brief German-Russian forestry and lumbering dictionary]
Kratkii nemetsko-russkii lesotekhnicheskii slovar'; uchebnoe
posobie dlia studentov i aspirantov lesotekhnicheskikh vuzov.
Leningrad, Leningr.lesotekhn.akad.im. S.M.Kirova, 1959.
(MIRA 14:2)
354 p.
(Forests and forestry--Dictionaries) (Lumbering--Dictionaries)
(German language--Dictionaries--Russian)